

**BUREAU OF RECLAMATION**  
**CATEGORICAL EXCLUSION CHECKLIST**

Mid-Pacific Region  
Lahontan Basin Area Office

**Project Name:** Truckee-Carson Irrigation District (TCID) V Line Automation

**CEC Number:** LO – 2012-1011

**Cost Authority:** A10-1968-0006-TCI-NV-6E

**Date:** December 3, 2012

**Exclusion Category:** *516 DM 14.5 D.1* – Maintenance, rehabilitation and replacement of existing facilities which may involve a minor change in size, location, and/or operation.

**Nature of Action:** TCID has been awarded a water conservation grant to add equipment to six existing water control structures on the V line (V-C3 through V-C8) such that the gates can be controlled remotely. Automation of gates and water control structures is commonly referred to as Supervisory Control and Data Acquisition (SCADA).

A small (10 foot by 10 foot) building will be added at five of the six sites to house computer and communication equipment. A number of utility upgrades will be needed to connect the new automation and SCADA system to power sources. These include both sub-surface work, in the form of underground communications lines, and above-ground work, including the installation of power poles and overhead lines. All ground disturbances are anticipated to be contained within previously disturbed areas related to the construction of the V-Line Canal and nearby roads.

Access will be via existing roads used to operate and maintain the canal and check structures. Some minor equipment will be added to the existing water control structure, such as motors and sensors. Figure 1 shows a similar structure. The work will be accomplished before December 31, 2014.

Reclamation's actions will be to fund the grant for the project; approve the authorizations for TCID to make modifications to Newlands project facilities; approve the authorizations to NV Energy to install overhead lines across the facilities; and approve Churchill County (CC) Communications to install overhead and buried communication lines across the facilities.

The following are site-specific descriptions at each location. See Figures 2-7 for site sketches.

V-C3 – No new overhead power will be installed. Site has existing power and existing 10'x10' building. Proposed construction includes:

- 70' long by 2' deep trench to accommodate CC Communications line
- 4' by 2' trench for TCID to install power to existing building
- Conduit containing utilities will be bolted to the existing structure by TCID

V-C4 – Existing stilling well onsite. All other factors will need to be constructed and installed.

- New 10'x10' building
- 70' long by 2' deep trench to accommodate CC Communications (outside of Reclamation's ROW)
- One overhead line for power from existing pole to a customer owned pole (customer owned pole to be installed by TCID = one 35' pole w/ 5' subsurface)
- One overhead line for communications. This will be on the same pole as the power
- 20' long by 2' deep trench of communication line
- Conduit containing utilities will be bolted to the existing structure by TCID

V-C5 – Existing stilling well onsite. All other factors will need to be constructed and installed.

- New 10'x10' building,
- One overhead line for power from existing pole to a customer owned pole (customer owned pole to be installed by TCID = one 35' pole w/ 5' subsurface)
- Power is to be anchored to existing V-C5 structure (i.e.: down guy)
- One overhead line for communications from existing pole to a customer owned pole (to be installed as described above)
- A total of two 16' long by 2' deep by 2' apart trenches to accommodate both utilities consisting of:
  - two 6' long by 2' deep by 2' apart; and
  - two 10' long by 2' deep by 2' apart trenches
- Conduit containing utilities will be bolted to the existing structure by TCID

V-C6 – The intention is to use the existing building onsite as well. However, if the existing building is unable to house the equipment a new building will be constructed adjacent to the existing stilling well onsite. Site has existing power. All other factors will need to be constructed and installed.

- New 10' by 10' building
- Re-establishing communication line by installing an overhead line from an existing pole
- Two 30' long by 2' deep trenches 2' apart to accommodate both utilities
- Conduit containing utilities will be bolted to the existing structure by TCID

V-C7 – Existing stilling well onsite. All other factors will need to be constructed and installed.

- New 10' by 10' building
- One overhead line for power from existing pole to a customer owned pole (customer owned pole to be installed by TCID = one 35' pole w/ 5' subsurface)
- One overhead line for communications from existing pole to a new pole to be installed by CC Communications
- Conduit containing utilities will be bolted to the existing structure by TCID
- All utilities to be installed in the building will be installed overhead
- 30' long by 2' deep trench to accommodate utilities
- Conduit containing utilities will be bolted to the existing structure by TCID

V-C8 – Existing stilling well onsite. All other factors will need to be constructed and installed.

- New 10' by 10' building
- One overhead line for power from new pole (to be installed by NV Energy) to a customer owned pole (customer owned pole to be installed by TCID = one 35' pole w/ 5' subsurface)
- One overhead line for communications from a new pole to a customer owned pole
- Conduit containing utilities will be bolted to the existing structure by TCID
- 15' long by 2' deep trench to accommodate utilities
- Conduit containing utilities will be bolted to the existing structure by TCID

**Location:** V-C3 T19N R28E, Sec. 32 NE ¼ NW ¼; V-C4 T19N R28E Sec. 33SE ¼ NW ¼; V-C5 T19N R28E Sec. 33 SE ¼ NE ¼; V-C6 T19N R28E, Sec. 34 SE ¼ NW ¼; V-C7 T19N R28E, Sec. 26 SE ¼ SW ¼; and V-C8 T19N R28E Sec. 25 SW ¼ NE ¼. A street address approximation is provided on each sketch. A map is attached, Figure 8, that shows the project locations.



Figure 1. Example building to house equipment.

**Evaluation of Criteria for Categorical Exclusion**

1. This action would have a significant effect on the quality of the human environment. (40 CFR 1502.3).	No <input checked="" type="checkbox"/> Uncertain <input type="checkbox"/> Yes <input type="checkbox"/>
2. This action would have highly controversial environmental effects or involve unresolved conflicts concerning alternative uses of available resources [NEPA Section 102(2) (E) and 43 CFR 46.215 (c)].	No <input checked="" type="checkbox"/> Uncertain <input type="checkbox"/> Yes <input type="checkbox"/>
3. This action will have significant impacts on public health or safety (43 CFR 46.215(a)).	No <input checked="" type="checkbox"/> Uncertain <input type="checkbox"/> Yes <input type="checkbox"/>
4. This action would have significant impacts on	

<p>such natural resources and unique geographical characteristics as historic or cultural resources; parks, recreation and refuge lands; wilderness areas; wild or scenic rivers; national natural landmarks; sole or principle drinking water aquifers; prime farmlands; wetlands (E.O. 11990); floodplains (E.O. 11988); national monuments; migratory birds; and other ecologically significant or critical areas (43 CFR 46.215 (b)).</p>	<p>No <input checked="" type="checkbox"/> Uncertain ___ Yes ___</p>
<p>5. The action would have highly uncertain and potentially significant environmental effects or involve unique or unknown environmental risk (43 CFR 46.215 (d)).</p>	<p>No <input checked="" type="checkbox"/> Uncertain ___ Yes ___</p>
<p>6. This action would establish a precedent for future actions or represent a decision in principle about future actions with potentially significant environmental effects (43 CFR 46.215 (e)).</p>	<p>No <input checked="" type="checkbox"/> Uncertain ___ Yes ___</p>
<p>7. This action would have a direct relationship to other actions with individually insignificant but cumulatively significant environmental effects (43 CFR 46.215 (f)).</p>	<p>No <input checked="" type="checkbox"/> Uncertain ___ Yes ___</p>
<p>8. This action would have significant impacts on properties listed, or eligible for listing, on the National Register of Historic Places as determined by the bureau (in coordination with a Reclamation cultural resources professional, RM LND 02-01 D(1)(a)) (43 CFR 46.215 (g)).</p>	<p>No <input checked="" type="checkbox"/> Uncertain ___ Yes ___</p>
<p>9. This action would have significant impacts on species listed, or proposed to be listed, on the List of Endangered or Threatened Species, or have significant impacts on designated Critical Habitat for these species (43 CFR 46.215 (h)).</p>	<p>No <input checked="" type="checkbox"/> Uncertain ___ Yes ___</p>
<p>10. This action would violate a Federal, State, local, or tribal law or requirement imposed for protection of the environment (43 CFR 46.215 (i)).</p>	<p>No <input checked="" type="checkbox"/> Uncertain ___ Yes ___</p>
<p>11. This action would have a disproportionately high and adverse effect on low income or minority populations (E.O. 12898) (43 CFR 46.215 (j)).</p>	<p>No <input checked="" type="checkbox"/> Uncertain ___ Yes ___</p>
<p>12. This action would limit access to and ceremonial use of Indian sacred sites on Federal lands by Indian religious practitioners or significantly adversely affect the physical integrity of such sacred sites (E.O. 13007 and 43 CFR 46.215 (k)).</p>	<p>No <input checked="" type="checkbox"/> Uncertain ___ Yes ___</p>
<p>13. This action would affect Indian Trust Assets. (To be completed by Reclamation official responsible for ITAs) (S.O. 3175; Policy Memorandum dated 12/15/93).</p>	<p>No <input checked="" type="checkbox"/> Uncertain ___ Yes ___</p>

<p>14. This action would contribute to the introduction, continued existence, or spread of noxious weeds or non-native invasive species known to occur in the area or actions that may promote the introduction, growth, or expansion of the range of such species (Federal Noxious Weed Control Act, E.O. 13112, and 43 CFR 46.215 (l)).</p>	<p>No <input checked="" type="checkbox"/> Uncertain ___ Yes ___</p>
---	---

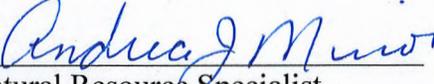
**NEPA Action Recommended:** Categorical Exclusion  EA \_\_\_ EIS \_\_\_

**Environmental commitments, explanation, and/or remarks:**

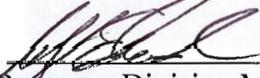
See the attached correspondence from the Mid-Pacific Region Cultural Resources Division regarding concurrence with Item 8 (cultural resources), and from Patricia Rivera regarding Item 13 (Indian Trust Assets).

Prepared by:   
Agricultural Engineer

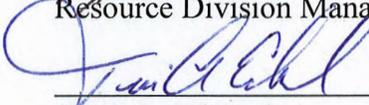
12-4-2012  
Date

Recommended:   
Natural Resource Specialist

12-4-12  
Date

Concurrence:   
Resource Division Manager

12/4/2012  
Date

Approved:   
Terri A. Edwards  
Deputy Area Manager

12/4/12  
Date

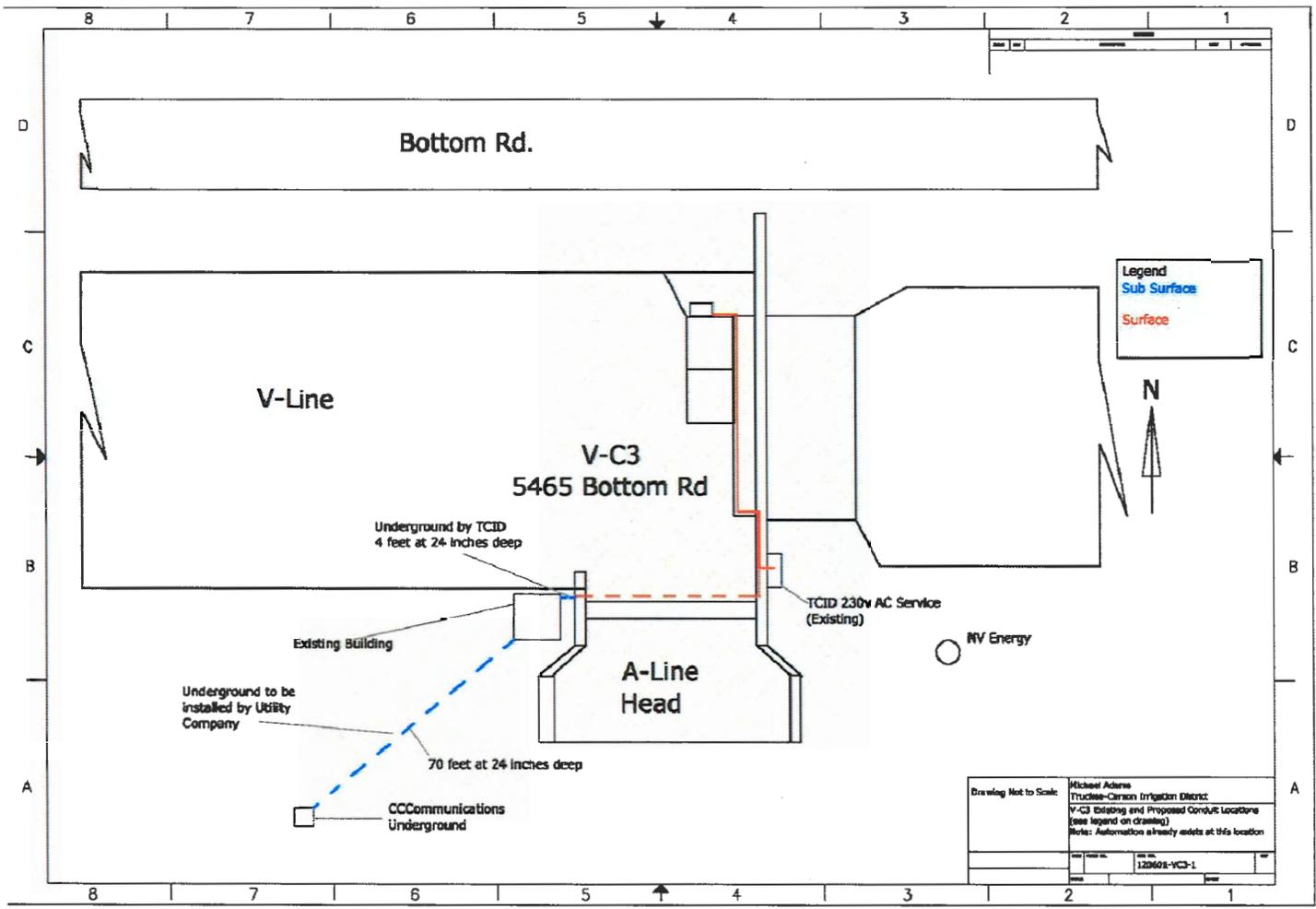


Figure 2 V-C3

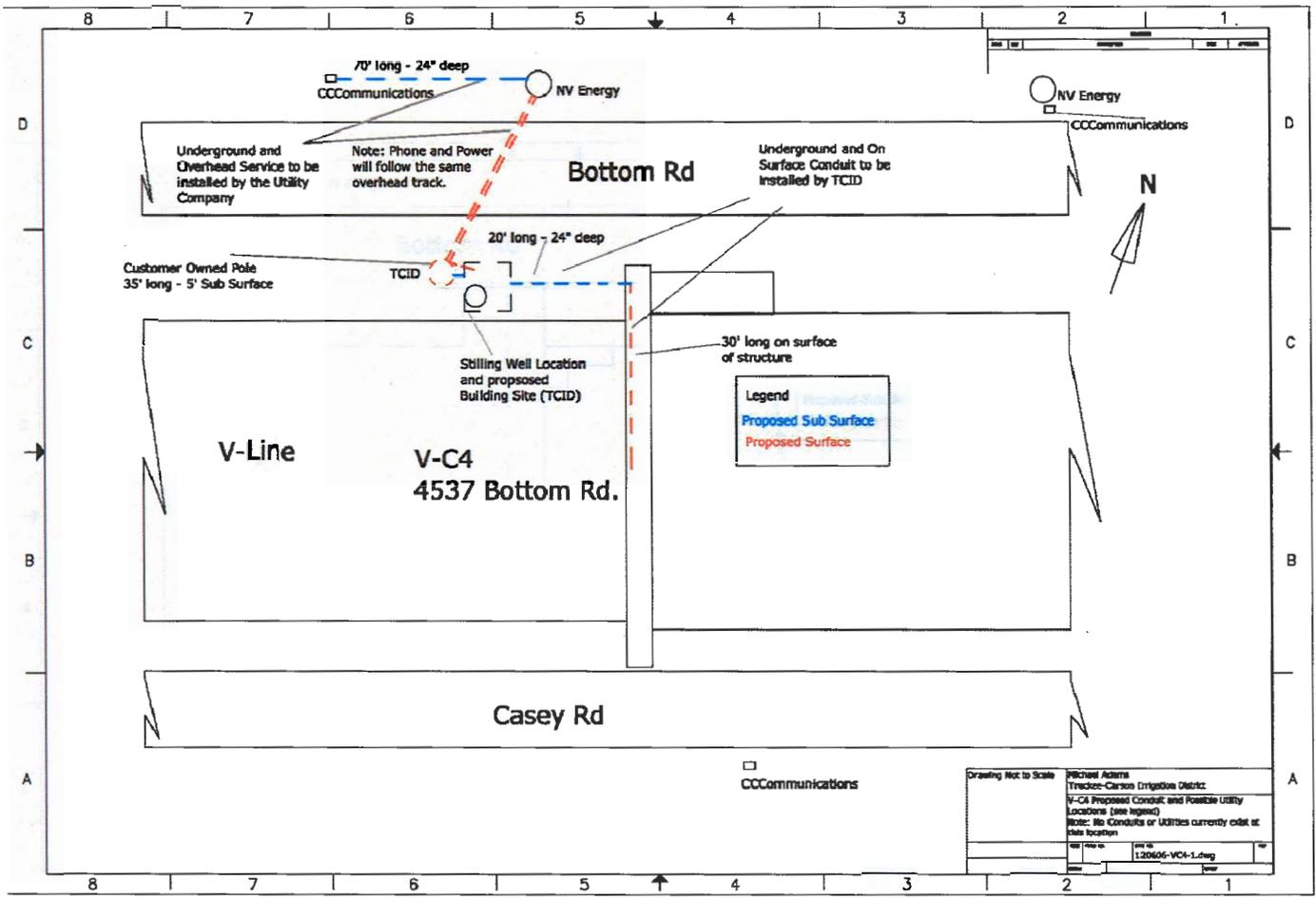


Figure 3 V-C4

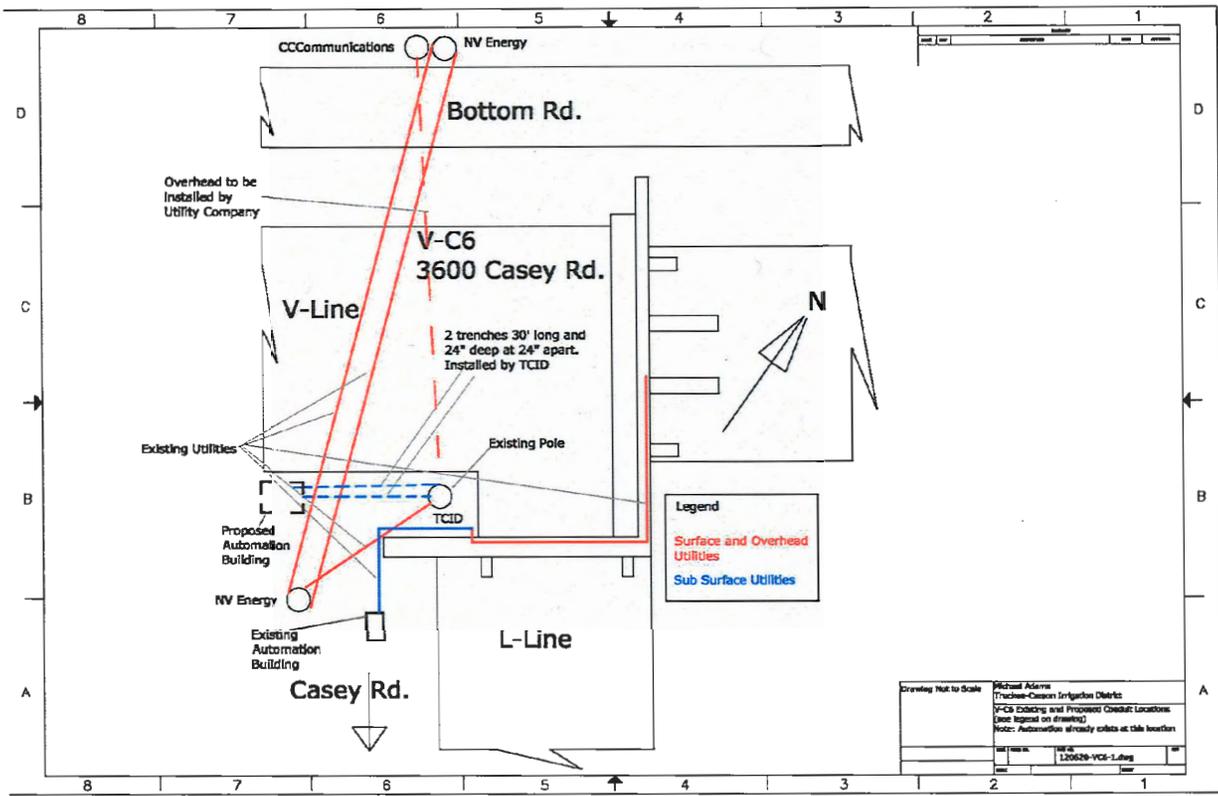


Figure 5 V-C6

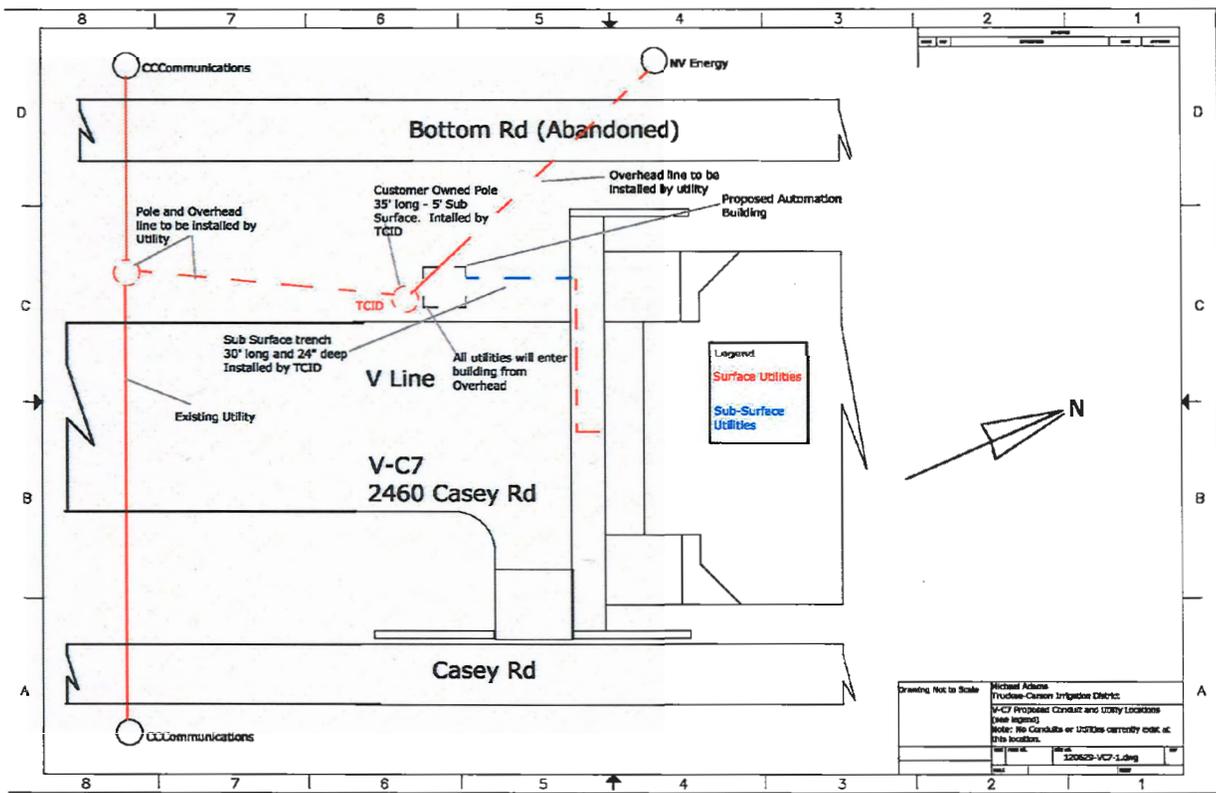


Figure 6 V-C7

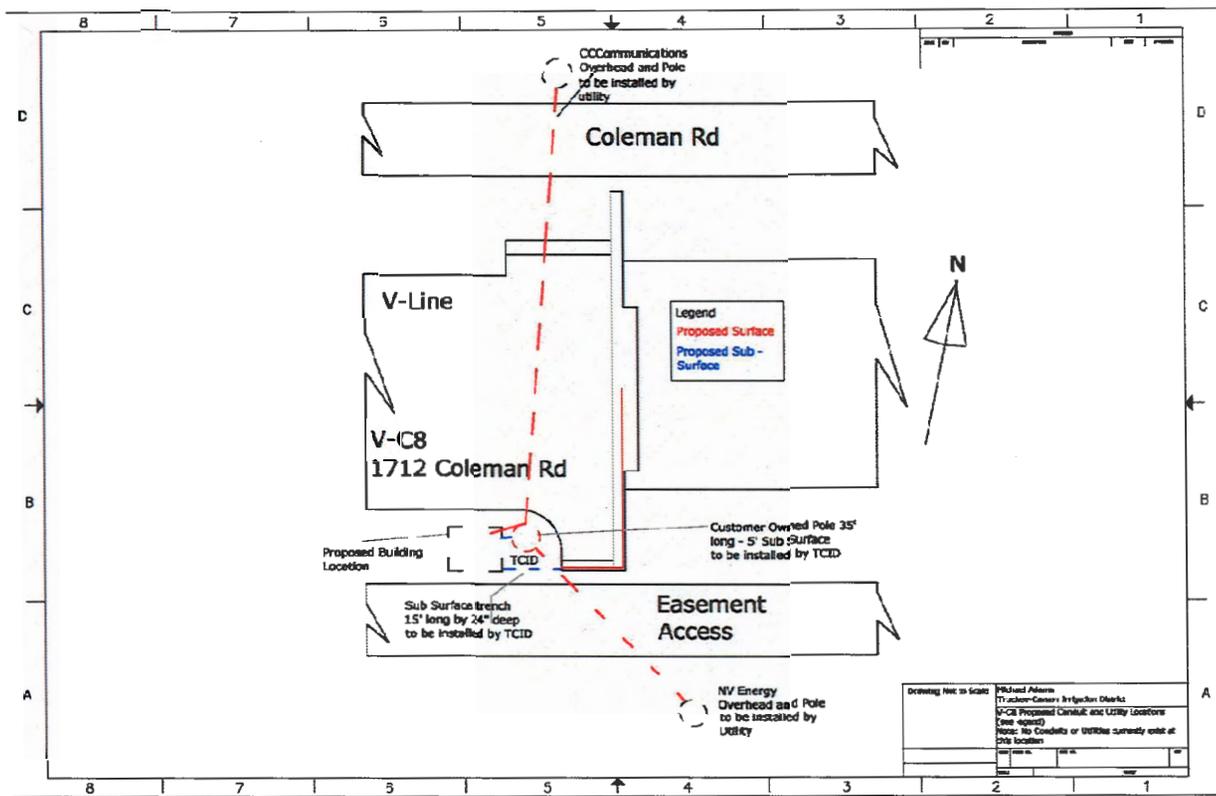
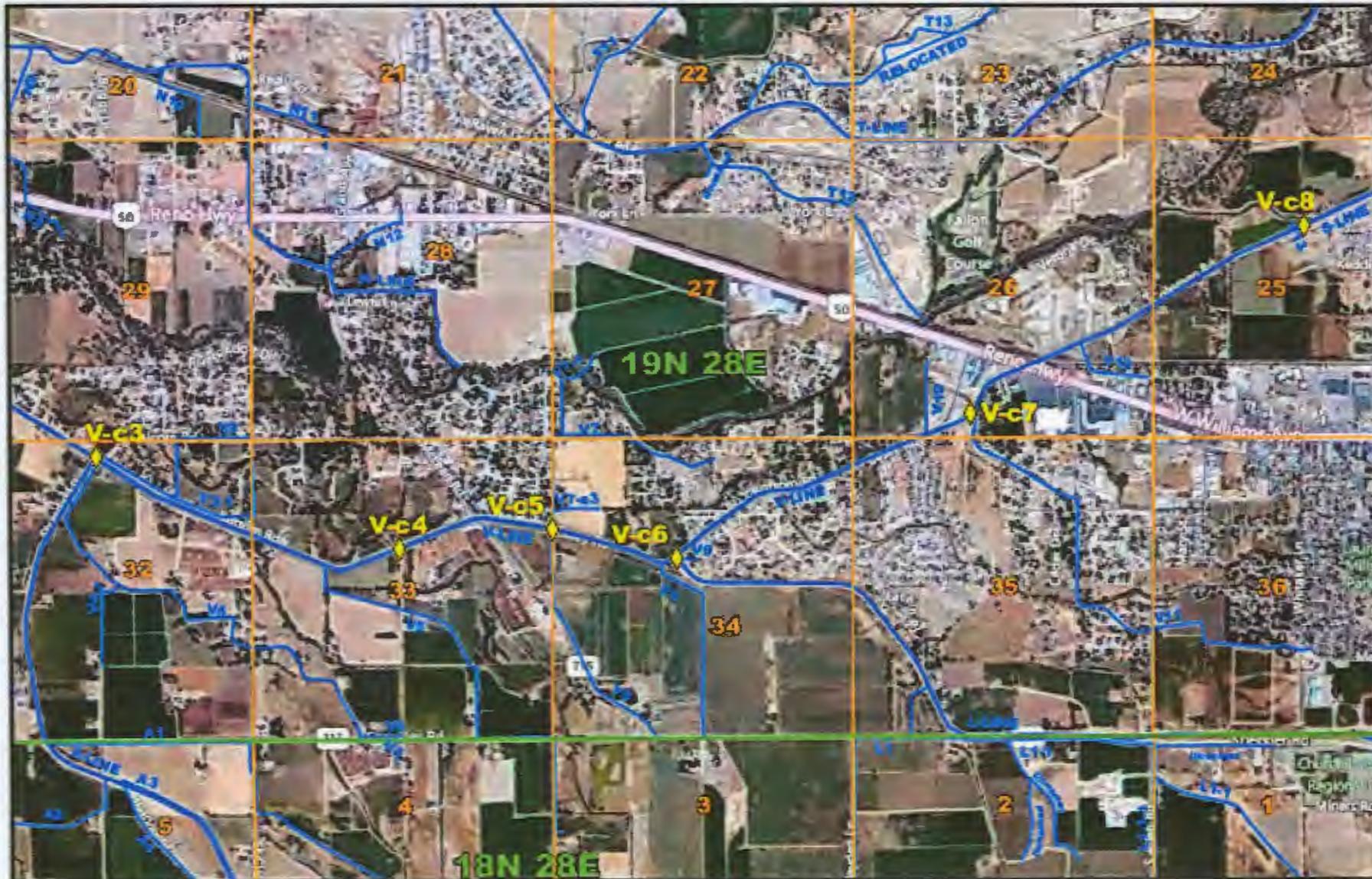


Figure 7 V-C8

Figure 8 Map of Project Area

Q:\LBAO User\Projects\Bye White\Line Automation\LO-2012-1011 V-Line Automation.mxd | Printed On: 7/6/2012 | Jan Cole



**RECLAMATION**  
*Managing Water in the West*

Lahontan Basin Area Office  
 705 N. Plaza Street, Carson City, NV 89701



**Truckee-Carson Irrigation District (TCID) V Line Automation**

Check Structures: V-c3, V-c4, V-c5, V-c6, V-c7, V-c8  
 Churchill County, Nevada; T19N R28E Sections 25, 26, 32, 33, 34

USGS Topo 7.5' Quad: Fallon

LO-2012-1011

LEO M. DROZDOFF, P.E.  
Director  
Department of Conservation and  
Natural Resources

RONALD M. JAMES  
State Historic Preservation Officer

BRIAN SANDOVAL  
Governor

STATE OF NEVADA



Address Reply to:  
901 S. Stewart Street, Suite 5004  
Carson City, NV 89701-5248  
Phone: (775) 684-3448  
Fax: (775) 684-3442

DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES  
STATE HISTORIC PRESERVATION OFFICE

November 16, 2012

Anastasia Leigh  
United States Department of the Interior  
Bureau of Reclamation  
Mid-Pacific Regional Office  
2800 Cottage Way  
Sacramento, California 95825-1898

RE: **V-Line Automation Project (12-LBAO-175)**  
**Fallon, Churchill County, Nevada**  
**Sections 25, 26, 32, 34, Township 19 North, Range 28 East, Mt. Diablo Meridian (Fallon USGS)**  
**SHPO Undertaking #2013-2405 Report 8992**

Dear Ms. Leigh:

The State Historic Preservation Office (SHPO) is in receipt of your request for consultation dated October 16, 2012 (received October 19, 2012) for the above referenced undertaking.

With grant funds from the Bureau of Reclamation, the Truckee Carson Irrigation District (TCID), proposes to add equipment to six existing water control structures on a section of the V-Line Canal in Fallon, Nevada, which will allow the existing gates (V-c3 through V-c8) to be controlled remotely. It will also include construction of six small equipment buildings (at each gate) adjacent to the canal prism, and both sub-surface and aerial utility lines, with power poles, with be needed.

As requested, the SHPO offers the following comments regarding the delineation of the Area of Potential Effect (APE) for this undertaking, and the appropriateness of Reclamation's identification and documentation efforts:

- 1) The SHPO agrees with the boundaries of the APE and notes the clarity given regarding the determination of the APE for this undertaking. It also is appreciative that Reclamation has explicitly identified that "staging" will be contained on the Operations and Maintenance dirt roads adjacent to the canals.
- 2) The SHPO notes that only the portion of the V- Canal located within the APE for this undertaking was documented as the entire V-Canal extends a distance of approximately 18 miles and has many associated ancillary structural features.

www.nshpo.org  
BUREAU OF RECLAMATION  
OFFICIAL FILE COPY  
RECEIVED  
NOV 23 2012

CODE	ACTION	SURNAME & DATE
150	Copy	mf 11/23

SCANNED

Classification	ENV-3.0C
Serial	29
Control No.	2071260
Folder I.D.	1198411
Date Input & Initials	11/23/12

Anastasia Leigh  
November 16, 2012  
Page 2 of 2

- 3) Reclamation has stated that there were no archeological resources found and that all proposed project activities will be confined to the V-Line Canal area and that "the potential for impacts to subsurface deposits is virtually non-existent."

However, since there will be ground disturbing activities, if buried and previously unidentified resources are located during the project, the SHPO recommends that all the work in the vicinity cease and this office be contacted for additional consultation per 36 CFR 800.13.3 and NRS 383.150-383.190.

- 4) The SHPO appreciates Reclamation's ongoing efforts to clearly identify and document the Newlands Project historic property and associated contributing and non-contributing elements and features, within the present boundaries, as well as contributing and non-contributing properties associated with it, as projects and resources allow.
- 5) The SHPO notes within the Reclamation's report *Cultural Resources Report for the V-Line Canal Automation Project, Fallon, Nevada 12-LBOA-175* that funding has become available to proceed with completing a project wide Programmatic Agreement (PA) for documentation of all the conveyance features of the Newlands Project. To restart this PA negotiation the SHPO suggests that you call me and we can discuss next steps needed to accomplish this goal.

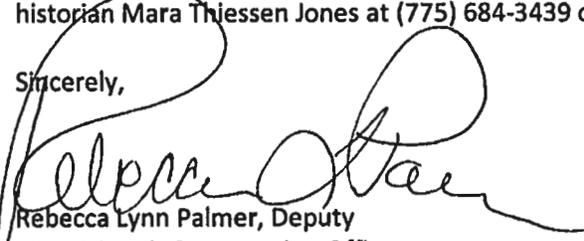
The SHPO concurs with the Reclamation determination that the V-Line Canal (partial) is eligible for inclusion in the National Register of Historic Places as a component of the Newlands Project.

SHPO Resource #	Resource Name	Reclamation Eligibility	SHPO Eligibility
S932	V-Line Canal (partial)	Eligible, Criterion A for its association with the Newlands Project	Eligible, Criterion A for its association with the Newlands Project

In accordance with Section 106, of the National Historic Preservation Act (NHPA), as amended, the SHPO also concurs with the Reclamation finding that the proposed undertaking will have no adverse effect to historic properties.

Should you have any questions concerning this correspondence, please contact SHPO staff architectural historian Mara Thiessen Jones at (775) 684-3439 or by e-mail at [mara.jones@shpo.nv.gov](mailto:mara.jones@shpo.nv.gov).

Sincerely,



Rebecca Lynn Palmer, Deputy  
State Historic Preservation Officer

**From:** [Bruce, Brandee E](#)  
**To:** [Minor, Andrea J](#)  
**Cc:** [BOR MPR Cultural Resources Section](#); [Edwards, Robert J](#)  
**Subject:** CR\_Resp 12-LBAO-175  
**Date:** Tuesday, November 27, 2012 10:20:09 AM  
**Attachments:** [12-LBAO-275\\_SHPOConcur.pdf](#)

---

*Tracking No. 12-LBAO-175*

*Project Name: Truckee Carson ID V-Line Canal Automation Project*

Andrea,

The proposed action to provide grant funding to the Truckee Carson Irrigation District (TCID) to install automation equipment at six locations along the V-Line Canal was determined to be the type of action that has the potential to affect historic properties. As a result, Reclamation entered into consultation with the Nevada State Historic Preservation Office (SHPO) and reached a finding of no adverse effect to historic properties affected pursuant to 36 CFR Part 800.5(b).

The proposed construction activities include installing equipment to six existing water control structures (V-c3 through V-c8) on the V-Line Canal, so the existing gates can be controlled remotely. Some minor equipment will be added to the existing water control structure, such as motors and sensors; a small equipment building will be constructed adjacent to the canal prism; and utility lines, both sub-surface and aerial lines, and new power poles are needed.

The V-Line Canal was identified as a contributing component to the Newlands Project, eligible for inclusion in the National Register of Historic Places (National Register) under Criterion A, on the local level, for its association with the themes of reclamation, irrigation, and the development of agriculture in the state of Nevada. Reclamation applied the criteria of adverse effect to the V-Line Canal and determined that a finding of no adverse effect to historic properties pursuant to 36 CFR Part 800.5(b) was appropriate for this undertaking.

Reclamation entered into consultation with the SHPO seeking their concurrence on our finding of no adverse effect to historic properties. The consultation package was sent to SHPO on October 16, 2012. Reclamation received concurrence from SHPO on November 23, 2012 in a letter dated November 16, 2012. Please find the SHPO concurrence letter attached to this email (see attached).

This email serves as notification of the completion of the Section 106 process for this undertaking. Note that if the project description changes, Reclamation may have additional considerations under Section 106. Please retain a copy of this concurrence with the administrative file.

Thank you for providing the opportunity to comment.

BranDee Bruce  
Architectural Historian  
Bureau of Reclamation  
2800 Cottage Way  
Sacramento, CA. 95825  
Phone: (916) 978-5039  
Fax: (916) 978-5055

**From:** [Rivera, Patricia L](#)  
**To:** [Minor, Andrea J](#)  
**Subject:** RE: ITA Request for V Line automation  
**Date:** Wednesday, July 18, 2012 7:34:50 AM

---

Andrea,

I reviewed the proposed action where the Truckee-Carson Irrigation District (TCID) will be adding equipment to six existing water control structures on the V line (V-C3 through V-C8) such that the gates can be controlled remotely. Automation of gates and water control structures is commonly referred to as Supervisory Control and Data Acquisition (SCADA). A small (10 foot by 10 foot) building will be added at each of the six sites to house computer and communication equipment. There will be approximately 50 feet or less trenching per site and wiring to provide power and communications to the buildings and structures. Access is from existing roads used to operate and maintain the sites. Some minor equipment will be added to the existing water control structure, such as motors and sensors.

The TCID has been awarded a water conservation grant to perform this action.

The proposed action does not have a potential to affect Indian Trust Assets. The nearest ITA s Fallon Colony approximately 2 miles east of the project location.

Patricia